

DP-310489

**FULL PLATE, ALTERNATING LAYERED  
REFRIGERANT FLOW EVAPORATOR**

**ABSTRACT OF THE DISCLOSURE**

An evaporator core for the climate control system of a motor vehicle formed from alternating pairs of plates. Each pair of plates includes two plates having a similar configuration engaged together and a mirrored, back-two-back relationship. Each of the plates includes at least one inlet aperture, an outlet aperture, and a return aperture. The structure of the plates and the arrangement of stacking produce an evaporator having a plurality of fluid pathways. Fluid is directed in alternating directions in adjacent pathways.